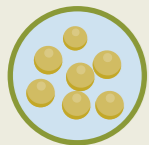


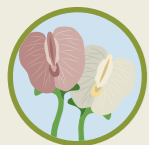
# Combining peas – a sustainable and regional source of protein!

## 1 Combining peas

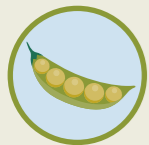
### Short profile



**Pulse = legume**



**White flowers =** tannin-free (mainly cultivated)  
**Colored flowers =** tannin-containing (only 1 variety on descriptive list in DE)



**Pods with yellow/green seeds** (yellow type is mainly grown in Germany)

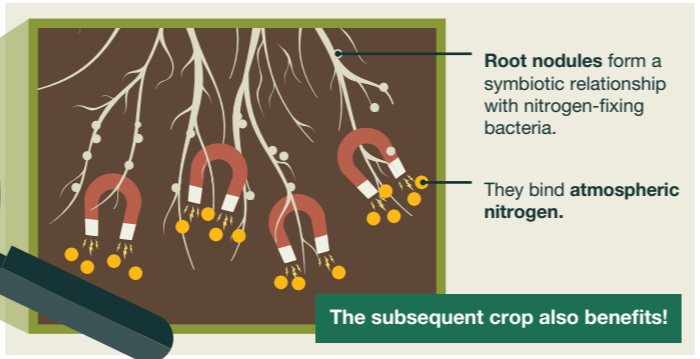


Only **semi-leafless varieties** are on the descriptive list of pea varieties = only the stipules are developed; the pinnate leaves are transformed into additional tendrils for better standing ability

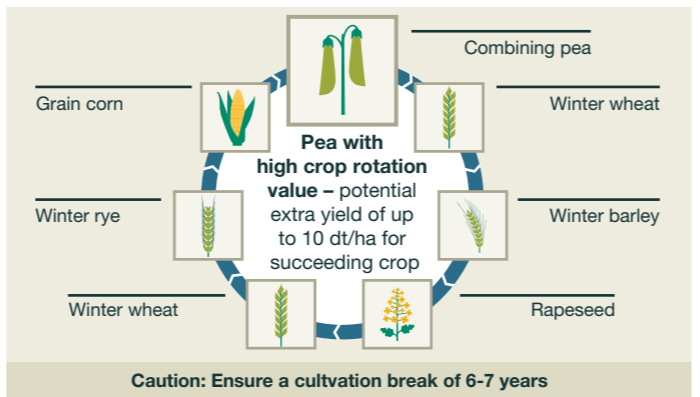


## 2 Advantages of growing peas

### Legumes bind nitrogen



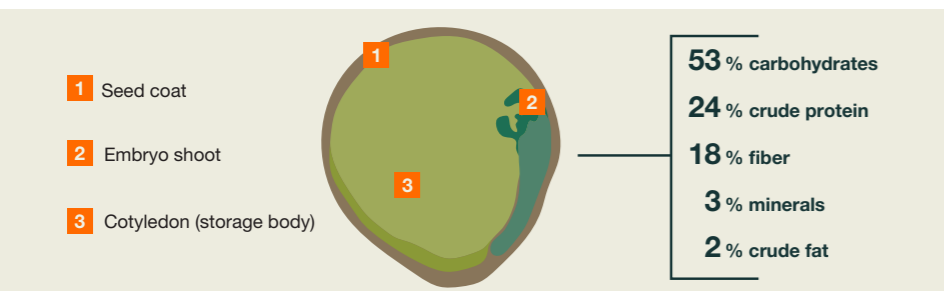
### Expansion of the crop rotation (example)



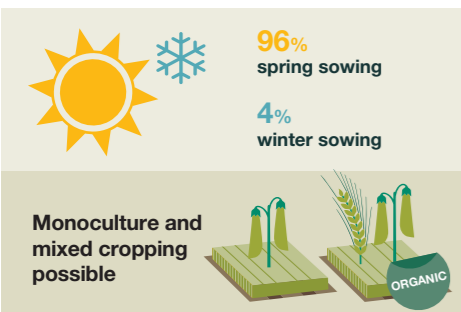
### Alternation of spring and winter crops



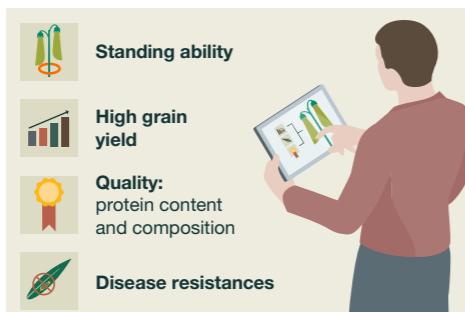
### Structure of a pea seedling



### Different forms of cultivation

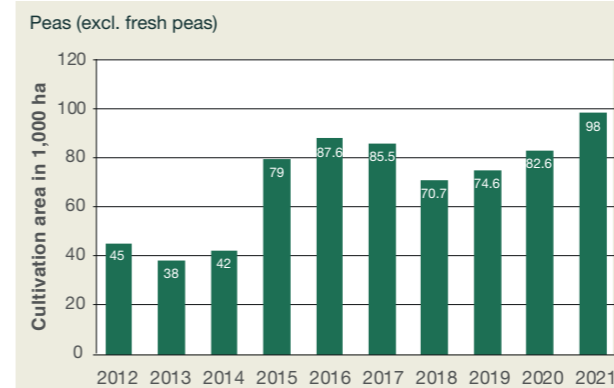


### Breeding – the key objectives



## 3 Increasing importance

### Growing cultivation area



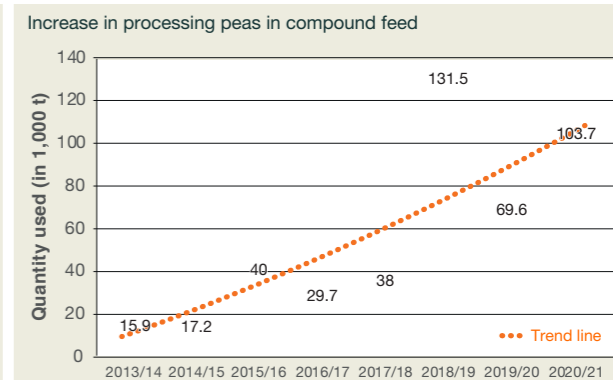
### Variable use: compound feed and human nutrition



### New usages – food and raw material

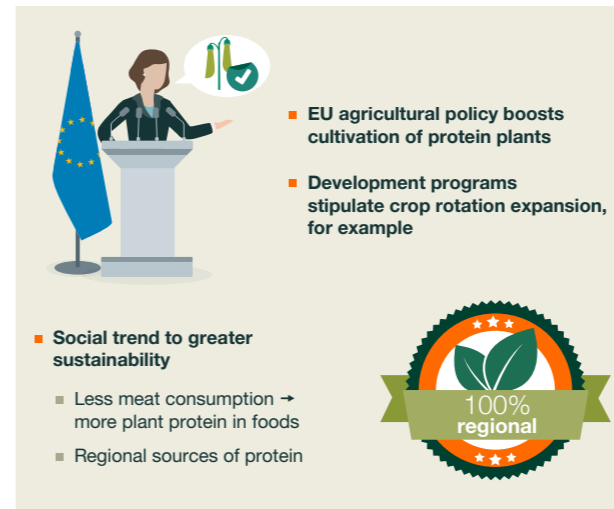


### Locally produced source of protein

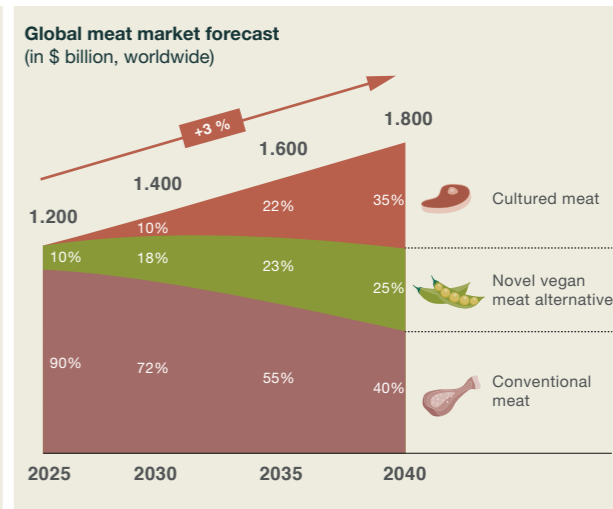


## 4 Politics and society

### EU agricultural policy



### Trend: growing consumption of plant protein



1) Combining Peas/ Short profile (own presentation based on the "Beschreibende Sortenliste", 2021 Descriptive Variety List); Structure of a pea seedling ("Inhaltsstoffe", Emsland Group); Different forms of cultivation (own presentation based on multiplication areas from the "Beschreibende Sortenliste", 2021)  
 2) Advantages of growing peas/ Expansion of the crop rotation (preceding crop value according to UFOP "Praxisinformationen" 2016; crop rotation example modified and based on "Erbsen und Ackerbohne anbauen und verwerten", BLE 2021)  
 3) Increasing importance/ Growing cultivation area (own presentation based on "Hauptnutzungsarten und Kulturarten", destatis 2021); Variable use: compound feed and human nutrition ("Rohstoffeinsatz zur Mischfutterherstellung in Deutschland", destatis 2021); own estimate by KWS (2022); New usages – food and raw material (own presentation based on "Erbsen- und Ackerbohnen, Einsatzmöglichkeiten in der menschlichen Ernährung", DemoNet Erbsen Bohne 2021); Locally produced source of protein (own presentation based on the "Struktur der Mischfutterhersteller", destatis 2021)  
 4) Politics and society/ Trend: growing consumption of plant protein (Übersetzt nach AT Kearney: How will cultured meat and meat alternatives disrupt the agricultural and food industry, 2019)